



The

Tesla's
Magnifying
Transmitter

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The Magnifying Transmitter by Nikola Tesla : *"...It is a resonant transformer with a secondary in which the parts charged to a high potential, are of considerable area and arranged in space along ideal enveloping surfaces of very large radii of curvature, and at proper distances from one another thereby insuring a small electrical surface density everywhere so that no leak can occur even if the conductor is bare. It is suitable for any frequency, from a few to many thousands of cycles per second, and can be used in the production of currents of tremendous volume and moderate pressure, or of smaller amperage and immense electro-motive force. The maximum electric tension is merely dependant on the curvature of the surfaces on which the charged elements are situated and the area of the latter." (1)*

In the Tesla's Magnifying transmitter, the energy is countinuously bounced back and forth between the earth and the reflecting capacitance at a rate timed to a natural rate of the earth.....(5)

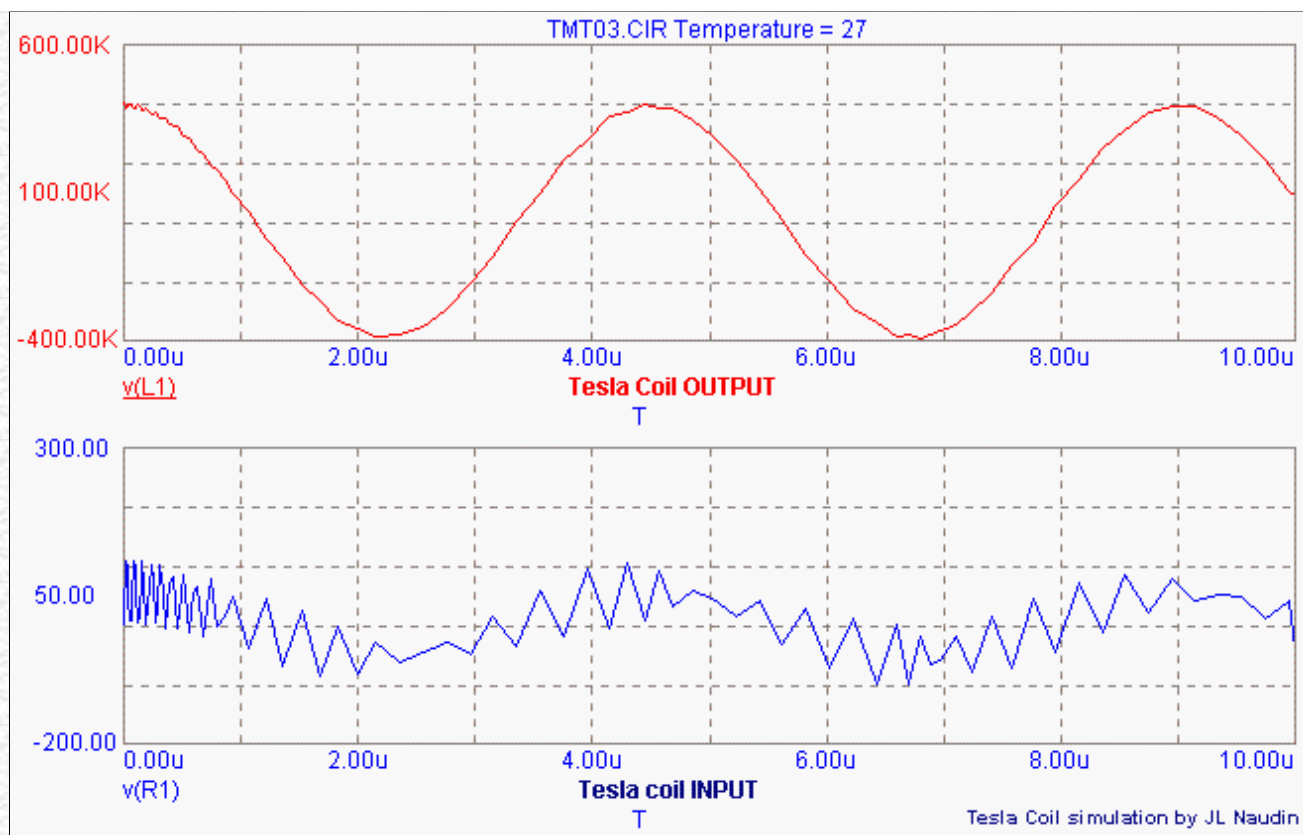
Nikola Tesla has said in a patent about improvements relating to the Transmission of Electrical energy (4) : *".....Stated otherwise, the terrestrial conductor is thrown into resonance with the oscillations impressed upon it just like a wire. More than this, a number of facts ascertained by me clearly show, that the movement of electricity through it follows certain laws with nearly mathematical rigor. For the present it will be sufficient to state, that the earth behaves like a perfectly smooth or polished conductor of inappreciable resistance, with capacity and self-induction uniformly distributed along the axis of symmetry of waves propagation and transmitting slow electrical oscillations without sensible distortion and attenuation. Besides the above, three requirements seem to be essential to the establishment of the resonating condition.*

1. *The earth's diameter passing through the pole should be an odd multiple of the quarter wave-length, that is, of the ratio between the velocity of light and four times the frequency of the currents.*
2. *It is necessary to employ oscillations, in which the rate of radiation of energy into space in the form of Hertzians or electromagnetic waves is very small. To give an idea I would say, that the frequency should be smaller than twenty thousand per second, through shorter waves might be practicable. The lowest frequency*

3. The most essential requirement is, however, that irrespective of frequency, the wave or wave train *should continue* for a certain interval of time, which I have estimated to be *not less than one twelfth-or probably 0.08484-of a second*, and which is taken in passing to, and returning from the region diametrically opposite the pole, over the earth's surface, with a mean velocity of about 471,240 kilometers per second....."



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"....If we could produce electric effects of the required quality, this whole planet and the conditions of existence on it could be transformed. The sun raises the water of the oceans and winds drive it to distant regions where it remains in state of most delicate balance. If it were in our power to upset it when and wherever desired, this mighty life-sustaining stream could be at will controlled. We could irrigate arid deserts, create lakes and rivers and provide motive power in unlimited amount. This would be the most efficient way of harnessing the sun to the uses of man....." (Nikola Tesla, June 1919) (1)

See also : The AFEP v1.0 (The Avramenko's Free Electrons Pump device)

Reference documents :

- 1) "The Electrical Experimenter: My Invention by Nikola Tesla", June 1919
- 2) Tesla: Man Out of Time, by Margaret Cheney - Prentice-Hall, Inc
- 3) Tesla US Patent number 1,119,736 : "Apparatus for transmitting electrical energy" (issued Dec. 1, 1914)
- 4) Tesla US Patent number 8,200 : " Improvements relating to the transmission of Electrical Energy" (17th Apr.,1906)
- 5) Theory of Wireless Power, By Eric Dollard, B.S.R.A. 1986.

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